

Office Memorandum • UNITED STATES GOVERNMENT

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TO : Engineering Conference Report

FROM :

SUBJECT: Gasoline Power Unit, Mechanical, GM-1

REF: Contract XG-866 with Jacobsen Mfg. Co., Project 2057

DATE: 22 October 1952

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1. On 16 September 1952 a conference on progress of the GM-1 was held in the R & D Branch offices.

Present were:

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2. Progress on the design of the GM-1 is satisfactory.

3. Preliminary drawings were inspected and approved for the construction of the first model.

4. A preliminary model of the planetary gear reducer was inspected and improvements suggested.

5. The following technical items were discussed and recommended for further study:

- (a) The use of the present alternator case of the UGP-12 as a gear case for the GM-1 without special machining.
- (b) The clutch must have an external take-up adjustment.
- (c) Chain drive from gear-box to GN-58 Hand Generator must have an upper chain guard which holds the chain captive.
- (d) Investigate a special combination clamp-bracket for resting unit on ground, clamping on tree, or using with GN-58 tripod.
- (e) Use grease seals, oilite bearings, and Gitts oilers on upper sprocket shaft bearings.

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cc: monthly report, chrono, dev/s, XG-866

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